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INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:54:47 ON 09 APR 2002

SEA CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

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L2 312 S CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYN
L3 135 DUP REM L2 (177 DUPLICATES REMOVED)
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=> index bioscience medicine
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63 FILES IN THE FILE LIST IN STNINDEX

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=> s cyclohexadepsi? or (enniat? (a) synthas?) or (enniat? (a) synthetas?)

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L1 QUE CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYNTHETAS?)

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=> s cyclohexadepsi? or (enniat? (a) synthas?) or (enniat? (a) synthetas?)

L2 312 CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYNTHETAS?)

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TI Methods for producing polypeptides in **cyclohexadepsipeptide**
-deficient cells

=> d ti l3 1-135

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TI Mycelia sterilia cyclic depsipeptide synthase, gene, recombinant
expression, and use in cyclic depsipeptide biosynthesis

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DUPLICATE 1

TI Directed biosynthesis of new enniatins

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TI Chain termination steps in nonribosomal peptide synthetase assembly lines:
Directed acyl-S-enzyme breakdown in antibiotic and siderophore
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TI Methods for producing polypeptides in **cyclohexadepsipeptide**
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L3 ANSWER 5 OF 135 USPATFULL
 TI Pyrrolnitrin biosynthesis genes and uses thereof

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 TI Process for the preparation of substituted aryl lactic acid containing cyclodepsipeptides with 24 ring atoms

L3 ANSWER 7 OF 135 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
 TI Producing a heterologous polypeptide for producing of antibiotics comprises cultivating a mutant of a parent filamentous fungal cell comprising a nucleic acid sequence encoding **cyclohexadepsipeptide** ;
 method is useful for producing biologically active compound

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 TI Mutational analysis of the N-methyltransferase domain of the multifunctional enzyme **enniatin synthetase**

L3 ANSWER 9 OF 135 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 3
 TI Biosynthesis of PF1022A and related cyclooctadepsipeptides

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 TI Construction and in vitro analysis of a new bi-modular polypeptide synthetase for synthesis of N-methylated acyl peptides

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 TI Genes encoding synthetases of cyclic depsipeptides, anabaenopeptilides, in Anabaena strain 90

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 TI Lactic-acid-containing cyclic depsipeptides having 18 ring atoms as endoparasitocidal agents, and process for their preparation

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 TI Material for establishing solid state contact for ion selective electrodes

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 TI Cation Affinities of **Cyclohexadepsipeptide**: Ab Initio Study

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 TI How do peptide synthetases generate structural diversity?

L3 ANSWER 16 OF 135 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
 TIEN Structure of mycotoxins and analogues-Study of their metabolites in a host insect
 TIFR Structure de mycotoxines et d'analogues- Recherche de leurs metabolites chez un insecte hote

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 TI Cyclic depsipeptides having 18 ring atoms for combating endoparasites

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 TI Genes for the synthesis of pyrrolnitrin

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 TI Eva containing ion selective membranes and methods of making same

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 TI Pyrrolnitrin biosynthesis genes

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 TI Beauvericin production by Fusarium species

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 TI Rhizobium leguminosarum bv. viciae produces a novel cyclic trihydroxamate siderophore, vicibactin

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 TI Structure of antifungal depsipeptides (LI-Fs) having guanidino side chain

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 TI Biologically active depsipeptides

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 TI Expression and modulation of ICAM-1, TNF-.alpha. and RANTES in human alveolar macrophages from lung-transplant recipients in vitro

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 TI Method of protecting plants by transformation with genes for the synthesis of antipathogenic substances

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 TI Genes for the synthesis of antipathogenic substances

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 TI Genes for the synthesis of antipathogenic substances

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 TI Lactic-acid-containing cyclic depsipeptides having 18 ring atoms as endoparasitocidal agents, and process for their preparation

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 TI Genes for the synthesis of antipathogenic substances

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 TI The tyrocidine biosynthesis operon of Bacillus brevis: Complete nucleotide sequence and biochemical characterization of functional internal adenylation domains

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 TI Multifunctional peptide synthetases

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 TI Modular peptide synthetases involved in nonribosomal peptide synthesis

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 TI Streptogramin B biosynthesis in Streptomyces pristinaespiralis and Streptomyces virginiae: Molecular characterization of the last structural peptide synthetase gene

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 TI Pristinamycin I biosynthesis in Streptomyces pristinaespiralis: Molecular characterization of the first two structural peptide synthetase genes

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 TI Isolation and characterization of new anti-HIV and cytotoxic leads from plants, marine, and microbial organisms.

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 TI ACV synthetase: Expression of amino acid activating domains of the Penicillium chrysogenum enzyme in Aspergillus nidulans

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 TI The chemistry and biology of fatty acid, polyketide, and nonribosomal peptide biosynthesis

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 TI Thiol template peptide synthesis systems in bacteria and fungi

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 TI Enniatin production by Fusarium strains and its effect on potato tuber tissue

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 TI Fusafungine: An antimicrobial agent for the local treatment of respiratory tract infections

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 TI Himastatin, a new antitumor antibiotic from Streptomyces hygroscopicus III. Structural elucidation

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 TI Effect of disruption of the **enniatin synthetase** gene on the virulence of Fusarium avenaceum

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 TI Cyclic depsipeptides containing lactic acid with 18 ring atoms as endoparasitocidal agents and process for their preparation

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 TI Nucleotide binding by multienzyme peptide synthetases

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 TI Bacterial expression of catalytically active fragments of the multifunctional enzyme **enniatin synthetase**

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 TI Novel quinazolinones and enniatins from Fusarium lateritium Nees

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 TI Molecular characterization of the **enniatin synthetase** gene encoding a multifunctional enzyme catalyzing N-methyldepsipeptide formation in Fusarium scirpi

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TI PURIFICATION AND CHARACTERIZATION OF ACTINOMYCIN SYNTHETASE-I, A
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 TI Dihydrodestruxin A: A natural destruxin from Metarhizium anisopliae .

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 TI ISOLATION AND CHARACTERIZATION OF ENNIATINS FROM FUSARIUM-AVENACEUM DAOM
 196490.

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 TI **Enniatin synthetases** from different fusaria exhibiting
 distinct amino acid specificities

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 TI Production of enniatins by Fusarium acuminatum and Fusarium compactum in
 liquid culture: isolation and characterization of three new enniatins,
 B2, B3, and B4

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 TI MECHANISM AND MOLECULAR-STRUCTURE OF THE MULTIFUNCTIONAL ENZYME
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 TI Cyclosporin synthetase. The most complex peptide synthesizing multienzyme
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 TI Himastatin: a new antitumor antibiotic from Streptomyces hygroscopicus;
 cytostatic antibiotic purification and structure determination
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 TI Formation of N-methylated peptide bonds in peptides and peptidols

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 TI STEREODIFFERENTIATING COMPLEXATION OF DIASTEREOMERIC CYCLIC DEPSIPEPTIDES
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 TI Constitutive expression of **enniatin synthetase** during
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 TI Synthesis of beauvericin by a multifunctional enzyme

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 TI **ENNIATIN SYNTHETASE** INHIBITION OF DEPSIPEPTIDE
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 TI N-Methyltransferase function of the multifunctional enzyme
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L3 ANSWER 70 OF 135 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 24
 TI Monoclonal antibodies to the multienzyme **enniatin**
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L3 ANSWER 71 OF 135 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
 TI Biosynthesis of beauvericin;
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L3 ANSWER 72 OF 135 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 25
 TI Covalent immobilization of the multienzyme **enniatin synthetase**

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 TI SYNTHESIS OF THE ALL-L-CONFIGURATED **CYCLOHEXADEPSIPEPTIDE**
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L3 ANSWER 74 OF 135 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 26
 TI Synthesis of all-L configuration **cyclohexadepsipeptide**
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 TI Selective synthesis of depsipeptides by the immobilized multienzyme
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 TI Selective synthesis of depsipeptides by the immobilized multienzyme
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 TI Cell-free synthesis of the depsipeptide beauvericin

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 TI Mechanism of depsipeptide formation catalyzed by **enniatin synthetase**

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 TI Solution and ion-complexed conformations of beauvericin determined by
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L3 ANSWER 83 OF 135 LIFESCI COPYRIGHT 2002 CSA
 TI Solution and Ion-Complexed Conformations of Beauvericin Determined by
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 TI **Enniatin synthetase**, a novel type of multifunctional
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 TI **Enniatin Synthetase**, a Novel Type of Multifunctional
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 TI PRESENCE OF 4'-PHOSPHOPANTETHEINE IN THE MULTIFUNCTIONAL ENZYME
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 TI CRYSTAL STRUCTURE OF A BEAUVERICIN BARIUM PICRATE COMPLEX.

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 TI THE INSECTICIDAL ACTIVITY OF BEAUVERICIN AND THE ENNIATIN COMPLEX.

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 TI Amino-acids and peptides. Part 21. Synthesis of a congener of the
cyclohexadepsipeptide antibiotic, monamycin

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 TI AMINO-ACIDS AND PEPTIDES .21. SYNTHESIS OF A CONGENER OF THE
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 TI Production of enniatin as a criterion for confirming the identity of
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 TI Amino-acids and peptides. Part 19. Conformational studies of the
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 TI AMINO-ACIDS AND PEPTIDES .19. CONFORMATIONAL STUDIES OF MONAMYCINS, A
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 TI Synthesis of a congener of the **cyclohexadepsipeptide** antibiotic
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 TI Molecular and crystal structure of the DLLLLL-stereoisomer of enniatin B

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 TI CYCLIC PEPTIDES PART 2 SYNTHESIS OF A CYCLO DEPSI PEPTIDE PROTO DESTRUXIN.

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 TI APPLICATION OF 1 2 4 TRIAZOLINE-3 5-DIONES IN THE SYNTHESIS OF THE
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 TI Molecular and crystal structure of a cyclic hexadepsipeptide,
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 TI STRUCTURE-CONFORMATION RELATIONS OF STEREOISOMERIC
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 TI Refinement of the molecular and crystal structure of sporidesmolide

C34H60N4O8

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TI Incorporation of amino acids into the **cyclohexadepsipeptide**, monamycin
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TI Beauvericin and divalent cations. Crystal structure of the barium complex
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TI Conformational analysis of a cyclic hexadepsipeptide, cyclo-tri[D-hexahydromandelyl-L-valyl]
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TI Monamycins. New family of **cyclohexadepsipeptide** antibiotics
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TI Amino acids and peptides. XII. Molecular structures of the monamycins, cyclodepsipeptide antibiotics
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TI Amino acids and peptides. X. Characterization of the monamycins, members of a new family of cyclodepsipeptide antibiotics
- L3 ANSWER 114 OF 135 CAPLUS COPYRIGHT 2002 ACS
TI Mode of action of monamycin. Evidence for the formation of a complex between the monamycin cyclodepsipeptide antibiotics and some cations in solution
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TI Mass spectrometric study of 3,6-dialkyl-2,5-dioxopiperazines
- L3 ANSWER 118 OF 135 CAPLUS COPYRIGHT 2002 ACS
TI Structure and microbiological activity in the enniatin series
- L3 ANSWER 119 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI Mass spectrometric study of cyclodepsipeptides. Fragmentation types of regular and irregular **cyclohexadepsipeptides**

L3 ANSWER 120 OF 135 MEDLINE

TI Mass spectrometric study of cyclodepsipeptides.. Fragmentation types of regular and irregular **cyclohexadepsipeptides**.

L3 ANSWER 121 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI Thermal effect in the mass spectrometry of organic compounds

L3 ANSWER 122 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI Structure of the **cyclohexadepsipeptide**, sporidesmolide III

L3 ANSWER 123 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI Depsipeptide chemistry. XIV. Total synthesis of sporidesmolide I

L3 ANSWER 124 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI The structure-antimicrobial relation of depsipeptides

L3 ANSWER 125 OF 135 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of cyclic depsipeptides

L3 ANSWER 126 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI SYNTHESIS OF A **CYCLOHEXADEPSIPEPTIDE**, PROTODESTRUXIN.

L3 ANSWER 127 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI MASS SPECTROMETRIC STUDY OF CYCLODEPSIPEPTIDES. FRAGMENTATION TYPES OF REGULAR AND IRREGULAR **CYCLOHEXADEPSIPEPTIDES**.

L3 ANSWER 128 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI AMINO-ACIDS AND PEPTIDES. PART 19. CONFORMATIONAL STUDIES OF THE MONAMYCINS, A FAMILY OF **CYCLOHEXADEPSIPEPTIDE** ANTIBIOTICS.

L3 ANSWER 129 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI AMINO-ACIDS AND PEPTIDES. PART 21. SYNTHESIS OF A CONGENER OF THE **CYCLOHEXADEPSIPEPTIDE** ANTIBIOTIC, MONAMYCIN.

L3 ANSWER 130 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI AMINO-ACIDS AND PEPTIDES. PART XII. THE MOLECULAR STRUCTURES OF THE MONAMYCINS, CYCLODEPSIPEPTIDE ANTIBIOTICS.

L3 ANSWER 131 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI SYNTHESIS OF A CONGENER OF THE **CYCLOHEXADEPSIPEPTIDE** ANTIBIOTIC MONAMYCIN.

L3 ANSWER 132 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI ISOLATION AND STRUCTURE OF SPORIDESMOLIDE IV, A **CYCLOHEXADEPSIPEP** - TIDE FROM PITHOMYCES MAYDICUS.

L3 ANSWER 133 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI INCORPORATION OF AMINO ACIDS INTO THE **CYCLOHEXADEPSIPEPTIDE**, MONAMYCIN.

L3 ANSWER 134 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI TOTAL SYNTHESIS OF SPORIDESMOLIDE IV.

L3 ANSWER 135 OF 135 DRUGB COPYRIGHT 2002 DERWENT INFORMATION LTD

TI AMINO-ACIDS AND PEPTIDES. PART X. CHARACTERISATION OF THE MONAMYCINS, MEMBERS OF A NEW FAMILY OF CYCLODEPSIPEPTIDE ANTIBIOTICS.

=>

=> d his

(FILE 'HOME' ENTERED AT 15:52:55 ON 09 APR 2002)

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SEA CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

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L1 QUE CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

FILE 'CAPLUS, SCISEARCH, BIOSIS, MEDLINE, EMBASE, LIFESCI, TOXCENTER, USPATFULL, BIOTECHNO, PASCAL, BIOTECHDS, DRUGB, ESBIODBASE, AGRICOLA, CABA' ENTERED AT 15:58:09 ON 09 APR 2002

L2 312 S CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYN
L3 135 DUP REM L2 (177 DUPLICATES REMOVED)
L4 2 S L3 AND FILAMENT? AND FUNG?

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
57.12	61.14

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:15:53 ON 09 APR 2002

=> s secret?(p)protei?(p)filament?(p)fung?
6 FILES SEARCHED...
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SECRET?(P)PROTEI?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEI?(P)FILAMENT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'FILAMENT?(P)FUNG?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SECRET?(P)PROTEI?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
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PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'FILAMENT?(P)FUNG?'

11 FILES SEARCHED...
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FIELD CODE - 'AND' OPERATOR ASSUMED 'SECRET?(P)PROTEI?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEI?(P)FILAMENT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'FILAMENT?(P)FUNG?'
L6 1292 SECRET?(P) PROTEI?(P) FILAMENT?(P) FUNG?

=> focus
PROCESSING COMPLETED FOR L6
L7 1292 FOCUS L6 1-

=> d 1-10 ti 17

L7 ANSWER 1 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI **Secretion** and processing of endogenous and foreign
proteins in **filamentous fungi**

L7 ANSWER 2 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI Production and **secretion** of **proteins** of bacterial
origin in **filamentous fungi**

L7 ANSWER 3 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI DNA expression vectors for **secretion** of heterologous
proteins in **filamentous fungal** host cells

L7 ANSWER 4 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI Signal sequences and fusion **protein** expression constructs for
the **secretory** manufacture of foreign **proteins** in
filamentous fungi

L7 ANSWER 5 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI **Protein secretion** in **filamentous**
fungi - trying to understand a highly productive black box

L7 ANSWER 6 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI **Protein** targeting and **secretion** in **filamentous**
fungi: A progress report

L7 ANSWER 7 OF 1292 CAPLUS COPYRIGHT 2002 ACS
TI Molecular manipulation of and heterologous **protein**
secretion from **filamentous fungi**

L7 ANSWER 8 OF 1292 CAPLUS COPYRIGHT 2002 ACS
 TI Regulation of **secreted protein** production by
filamentous fungi: Recent developments and perspectives

L7 ANSWER 9 OF 1292 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
 TI **Protein secretion** in **filamentous**
fungi - trying to understand a highly productive black box;
 examination of the mechanism of **filamentous fungus**
protein secretion; a review

L7 ANSWER 10 OF 1292 CAPLUS COPYRIGHT 2002 ACS
 TI **Secretion** of heterologous **proteins** from
filamentous fungi

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L1 QUE CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

FILE 'CAPLUS, SCISEARCH, BIOSIS, MEDLINE, EMBASE, LIFESCI, TOXCENTER,
USPATFULL, BIOTECHNO, PASCAL, BIOTECHDS, DRUGB, ESBIODBASE, AGRICOLA,
CABA' ENTERED AT 15:58:09 ON 09 APR 2002

L2 312 S CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYN
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L5 2374 S (SECRET? (P) PROTEI?) AND (FILAMENT? (P) FUNG?)
L6 1292 S SECRET?(P)PROTEI?(P)FILAMENT?(P)FUNG?
L7 1292 FOCUS L6 1-

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L8 83 L7 AND FUSARIU?

=> d ti l8 1-83

L8 ANSWER 1 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Biomass production and secretion of hydrolytic enzymes are influenced by
the structural complexity of the nitrogen source in **Fusarium**
oxysporum and Aspergillus nidulans

L8 ANSWER 2 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Increased production of secreted proteins by recombinant eukaryotic cells

L8 ANSWER 3 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Cloning and sequences of microbial HAC1, ptc2 and IRE1 genes and increased
production of secreted proteins and enzymes by recombinant eukaryotic
cells

L8 ANSWER 4 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI FEM1, a **Fusarium** oxysporum glycoprotein that is covalently
linked to the cell wall matrix and is conserved in filamentous fungi

L8 ANSWER 5 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Genes affecting hyphal growth in filamentous fungi and their use in
improving yields in protein fermentation

L8 ANSWER 6 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Sequence and properties of Trichoderma reesei swollenin protein

L8 ANSWER 7 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Expression and secretion of defined cutinase variants by Aspergillus
awamori

L8 ANSWER 8 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Signal sequences and fusion **protein** expression constructs for
the **secretory** manufacture of foreign **proteins** in
filamentous fungi

L8 ANSWER 9 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Identification of morphological mutants of filamentous fungi and their
development as hosts for secretory expression of foreign genes

L8 ANSWER 10 OF 83 SCISEARCH COPYRIGHT 2002 ISI (R)

TI Biomass production and secretion of hydrolytic enzymes are influenced by
the structural complexity of the nitrogen source in **Fusarium**
oxysporum and Aspergillus nidulans

L8 ANSWER 11 OF 83 SCISEARCH COPYRIGHT 2002 ISI (R)

TI FEM1, a **Fusarium** oxysporum glycoprotein that is covalently
linked to the cell wall matrix and is conserved in filamentous fungi

L8 ANSWER 12 OF 83 SCISEARCH COPYRIGHT 2002 ISI (R)

TI Expression and secretion of defined cutinase variants by Aspergillus

awamori

- L8 ANSWER 13 OF 83 SCISEARCH COPYRIGHT 2002 ISI (R)
TI A fungal kinesin required for organelle motility, hyphal growth, and morphogenesis
- L8 ANSWER 14 OF 83 SCISEARCH COPYRIGHT 2002 ISI (R)
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*
- L8 ANSWER 15 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Biomass production and secretion of hydrolytic enzymes are influenced by the structural complexity of the nitrogen source in *Fusarium oxysporum* and *Aspergillus nidulans*.
- L8 ANSWER 16 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI FEM1, a *Fusarium oxysporum* glycoprotein that is covalently linked to the cell wall matrix and is conserved in filamentous fungi.
- L8 ANSWER 17 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*.
- L8 ANSWER 18 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*.
- L8 ANSWER 19 OF 83 MEDLINE
TI Biomass production and secretion of hydrolytic enzymes are influenced by the structural complexity of the nitrogen source in *Fusarium oxysporum* and *Aspergillus nidulans*.
- L8 ANSWER 20 OF 83 MEDLINE
TI FEM1, a *Fusarium oxysporum* glycoprotein that is covalently linked to the cell wall matrix and is conserved in filamentous fungi.
- L8 ANSWER 21 OF 83 MEDLINE
TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*.
- L8 ANSWER 22 OF 83 MEDLINE
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*.
- L8 ANSWER 23 OF 83 MEDLINE
TI Characterization of a natural larger form of the antifungal protein (AFP) from *Aspergillus giganteus*.
- L8 ANSWER 24 OF 83 MEDLINE
TI Expression of functional *Raphanus sativus* antifungal protein in yeast.
- L8 ANSWER 25 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI FEM1, a *Fusarium oxysporum* glycoprotein that is covalently linked to the cell wall matrix and is conserved in filamentous fungi.
- L8 ANSWER 26 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*.
- L8 ANSWER 27 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*.

L8 ANSWER 28 OF 83 LIFESCI COPYRIGHT 2002 CSA
 TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*

L8 ANSWER 29 OF 83 LIFESCI COPYRIGHT 2002 CSA
 TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*

L8 ANSWER 30 OF 83 TOXCENTER COPYRIGHT 2002 ACS
 TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*

L8 ANSWER 31 OF 83 TOXCENTER COPYRIGHT 2002 ACS
 TI Expression and secretion of defined cutinase variants by *Aspergillus awamori*

L8 ANSWER 32 OF 83 USPATFULL
 TI Host cells and methods of producing proteins

L8 ANSWER 33 OF 83 USPATFULL
 TI G-CSF conjugates

L8 ANSWER 34 OF 83 USPATFULL
 TI Increased production of secreted proteins by recombinant eukaryotic cells

L8 ANSWER 35 OF 83 USPATFULL
 TI Alkaline protease deficient filamentous fungi

L8 ANSWER 36 OF 83 USPATFULL
 TI Regulatory sequence of cellulase *cbhl* genes originating in *trichoderma viride* and system for mass-producing proteins or peptides therewith

L8 ANSWER 37 OF 83 USPATFULL
 TI Combinatorial metabolic libraries

L8 ANSWER 38 OF 83 USPATFULL
 TI DNA sequences, vectors, and fusion polypeptides for secretion of polypeptides in filamentous fungi

L8 ANSWER 39 OF 83 USPATFULL
 TI Method for increasing hemoprotein production in filamentous fungi

L8 ANSWER 40 OF 83 USPATFULL
 TI *Agrobacterium* mediated transformation of moulds, in particular those belonging to the genus *Aspergillus*

L8 ANSWER 41 OF 83 USPATFULL
 TI Morphological mutants of filamentous fungi

L8 ANSWER 42 OF 83 USPATFULL
 TI Method for increasing hemoprotein production in filamentous fungi

L8 ANSWER 43 OF 83 USPATFULL
 TI Morphological mutants of filamentous fungi

L8 ANSWER 44 OF 83 USPATFULL
 TI Fungus wherein the *areA* gene has been modified and an *areA* gene from *Aspergillus oryzae*

L8 ANSWER 45 OF 83 USPATFULL
 TI Fungus wherein the *areA*, *pepC* and/or *pepE* genes have been inactivated

L8 ANSWER 46 OF 83 USPATFULL
 TI Fungal promoters active in the presence of glucose

L8 ANSWER 47 OF 83 USPATFULL
 TI Promoters and uses thereof

L8 ANSWER 48 OF 83 USPATFULL
 TI Method for cloning active promoters

L8 ANSWER 49 OF 83 USPATFULL
 TI Process for producing heme proteins

L8 ANSWER 50 OF 83 USPATFULL
 TI Genes encoding signal recognition particle of *Aspergillus niger*

L8 ANSWER 51 OF 83 USPATFULL
 TI Enzyme preparations and methods for their production

L8 ANSWER 52 OF 83 USPATFULL
 TI Methods of modifying carbohydrate moieties

L8 ANSWER 53 OF 83 USPATFULL
 TI Process for producing heme proteins

L8 ANSWER 54 OF 83 USPATFULL
 TI Modified fungal cells and method for producing recombinant products

L8 ANSWER 55 OF 83 USPATFULL
 TI Methods and compositions for combinatorial-based discovery of new multimeric molecules

L8 ANSWER 56 OF 83 USPATFULL
 TI Process for producing heme proteins

L8 ANSWER 57 OF 83 USPATFULL
 TI Glyoxylic acid/aminomethylphosphonic acid mixtures prepared using a microbial transformant

L8 ANSWER 58 OF 83 USPATFULL
 TI Recombinant DNA coding for a protein with endochitinase activity

L8 ANSWER 59 OF 83 USPATFULL
 TI Enzyme preparations with recombinantly-altered cellulose profiles and methods for their production

L8 ANSWER 60 OF 83 USPATFULL
 TI Vectors for transformation by ascomycetes

L8 ANSWER 61 OF 83 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
 TI Biomass production and **secretion** of hydrolytic enzymes are influenced by the structural complexity of the nitrogen source in **Fusarium oxysporum** and *Aspergillus nidulans*

L8 ANSWER 62 OF 83 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
 TI FEM1, a **Fusarium oxysporum** glycoprotein that is covalently linked to the cell wall matrix and is conserved in **filamentous fungi**

L8 ANSWER 63 OF 83 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
 TI Expression and **secretion** of defined cutinase variants by *Aspergillus awamori*

L8 ANSWER 64 OF 83 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.

TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the **filamentous fungus** *Acremonium chrysogenum*

L8 ANSWER 65 OF 83 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
TI Regulation and kinetic modeling of galactose oxidase **secretion**

L8 ANSWER 66 OF 83 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
TIEN Expression and **secretion** of defined cutinase variants by *Aspergillus awamori*

L8 ANSWER 67 OF 83 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
TIEN Efficient synthesis of the blood-coagulation inhibitor hirudin in the **filamentous fungus** *Acremonium chrysogenum*

L8 ANSWER 68 OF 83 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
TIEN Molecular cloning and expression of recombinant phage antibody against fumonisin B.sub.1

L8 ANSWER 69 OF 83 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
TIEN Cloning and characterization of a gene encoding a chitinase of the **filamentous fungus** *Aphanocladium album*
TIFR Clonage et caracterisation d'un gene codant pour une chitinase du champignon **filamenteux** *Aphanocladium album*

L8 ANSWER 70 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI New nucleotide sequence comprises of regulatory region operatively associated with a xylanase **secretion** sequence and gene of interest useful for increasing production of desired **proteins**, especially enzymes by **filamentous fungi**;
recombinant **protein** of interest production via plasmid expression in **fungus**

L8 ANSWER 71 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI **Filamentous fungus** with reduced or lacking endogenous alkaline protease activity;
protease-deficient host, e.g. *Aspergillus oryzae*, for recombinant **protein secretion**

L8 ANSWER 72 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI Obtaining mutant **filamentous** cells with improved polypeptide; recombinant **protein** production by *Aspergillus*, *Trichoderma*, *Thielavia*, **Fusarium**, *Neurospora*, *Acremonium*, *Tolypocladium*, *Humicola*, *Scytalidium*, *Myceliophthora* or *Mucor* sp.

L8 ANSWER 73 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI Efficient synthesis of the blood-coagulation-inhibitor hirudin in the **filamentous fungus** *Acremonium chrysogenum*;
effect of cephalosporin-C expression level

L8 ANSWER 74 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI **Protein**-disulfide-isomerase enzyme;
Aspergillus oryzae or *Aspergillus niger* recombinant enzyme expression in bacterium or yeast for use in food, cataract therapy, hair treatment, fabric cleaning, etc.

L8 ANSWER 75 OF 83 BIOTECHDS COPYRIGHT 2002 DERWENT INFO AND ISI
TI DNA expression construct encoding e.g. proinsulin;
functional in a **filamentous fungal** cellular host
e.g. *Aspergillus* for **secretion** of **protein** products

L8 ANSWER 76 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI Biomass production and **secretion** of hydrolytic enzymes are influenced by the structural complexity of the nitrogen source in

Fusarium oxysporum and Aspergillus nidulans

L8 ANSWER 77 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI Antifungal activity of a novel endochitinase gene (chit36) from
Trichoderma harzianum Rifai TM

L8 ANSWER 78 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI FEM1, a **Fusarium** oxysporum glycoprotein that is covalently
linked to the cell wall matrix and is conserved in **filamentous**
fungi

L8 ANSWER 79 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI Expression and **secretion** of defined cutinase variants by
Aspergillus awamori

L8 ANSWER 80 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the
filamentous fungus Acremonium chrysogenum

L8 ANSWER 81 OF 83 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
TI Molecular cloning and expression of recombinant phage antibody against
fumonisin B.sub.1

L8 ANSWER 82 OF 83 AGRICOLA
TI Expression and secretion of defined cutinase variants by Aspergillus
awamori.

L8 ANSWER 83 OF 83 CABA COPYRIGHT 2002 CABI
TI FEM1, a **Fusarium** oxysporum glycoprotein that is covalently
linked to the cell wall matrix and is conserved in filamentous fungi.

=> d 18 2 3 8 9 39 66

L8 ANSWER 2 OF 83 CAPLUS COPYRIGHT 2002 ACS
AN 2001:781412 CAPLUS
DN 135:340238
TI Increased production of secreted proteins by recombinant eukaryotic cells
IN Penttila, Merja E.; Ward, Michael; Wang, Huaming; Valkonen, Mari J.;
Saloheimo, Markku L. a.
PA Genencor International, Inc., USA
SO U.S. Pat. Appl. Publ., 56 pp., Cont.-in-part of U.S. Ser. No. 634,692.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2001034045	A1	20011025	US 2001-816277	20010323
PRAI	US 2000-534692	A2	20000324		

L8 ANSWER 3 OF 83 CAPLUS COPYRIGHT 2002 ACS
AN 2001:730776 CAPLUS
DN 135:284000
TI Cloning and sequences of microbial HAC1, ptc2 and IRE1 genes and increased
production of secreted proteins and enzymes by recombinant eukaryotic
cells
IN Penttila, Merja E.; Ward, Michael; Wang, Huaming; Valkonen, Mari J.;
Saloheimo, Markku L. A.
PA Genencor International, Inc., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001072783	A2	20011004	WO 2001-US9401	20010323
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2000-534692	A	20000324		

L8 ANSWER 8 OF 83 CAPLUS COPYRIGHT 2002 ACS

AN 1998:509300 CAPLUS

DN 129:118774

TI Signal sequences and fusion **protein** expression constructs for the **secretory** manufacture of foreign **proteins** in **filamentous fungi**

IN Ward, Michael; Power, Scott D.

PA Genencor International, Inc., USA

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9831821	A2	19980723	WO 1998-US474	19980107
	WO 9831821	A3	19981105		
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 6265204	B1	20010724	US 1997-785668	19970117
	AU 9860205	A1	19980807	AU 1998-60205	19980107
PRAI	US 1997-785668	A	19970117		
	WO 1998-US474	W	19980107		

L8 ANSWER 9 OF 83 CAPLUS COPYRIGHT 2002 ACS

AN 1997:499246 CAPLUS

DN 127:158949

TI Identification of morphological mutants of filamentous fungi and their development as hosts for secretory expression of foreign genes

IN Shuster, Jeffrey R.; Royer, John C.

PA Novo Nordisk Biotech, Inc., USA

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9726330	A2	19970724	WO 1997-US829	19970117
	WO 9726330	A3	19971009		
	W:	AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP,			

KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI,
 SK, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
 MR, NE, SN, TD, TG

AU 9717506 A1 19970811 AU 1997-17506 19970117

EP 877801 A2 19981118 EP 1997-904806 19970117

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI

CN 1219971 A 19990616 CN 1997-192366 19970117

JP 2000503537 T2 20000328 JP 1997-526241 19970117

PRAI US 1996-10238P P 19960119

US 1996-726114 A 19961004

WO 1997-US829 W 19970117

L8 ANSWER 39 OF 83 USPATFULL

AN 2001:112095 USPATFULL

TI Method for increasing hemoprotein production in filamentous fungi

IN Elrod, Susan L., Davis, CA, United States

Cherry, Joel R., Davis, CA, United States

Jones, Aubrey, Woodland, CA, United States

PA Novozymes Biotech, Inc., Davis, CA, United States (U.S. corporation)

PI US 6261827 B1 20010717

AI US 2000-618419 20000718 (9)

RLI Continuation of Ser. No. US 1997-871267, filed on 9 Jun 1997, now
 patented, Pat. No. US 6100057 Continuation of Ser. No. US 1996-662752,
 filed on 10 Jun 1996, now abandoned

PRAI US 1997-41158P 19970317 (60)

DT Utility

FS GRANTED

LN.CNT 1818

INCL INCLM: 435/254.110

INCLS: 435/254.300; 435/183.000; 530/385.000

NCL NCLM: 435/254.110

NCLS: 435/183.000; 435/254.300; 530/385.000

IC [7]

ICM: C12N001-14

ICS: C07K014-805

EXF 435/254.11; 435/254.3; 435/183; 530/385

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 66 OF 83 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.

AN 1998-0514889 PASCAL

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TIEN Expression and **secretion** of defined cutinase variants by
 Aspergillus awamori

AU VAN GEMEREN I. A.; BEIJERSBERGEN A.; VAN DEN HONDEL C. A. M. J. J.;
 VERRIPS C. T.

CS Department of Biotechnology, Unilever Research, 3133 AT Vlaardingen,
 Netherlands; Department of Molecular Genetics and Gene Technology, TNO
 Nutrition and Food Research Institute, 3700 AJ Zeist, Netherlands;
 Department of Molecular and Cellular Biology, University of Utrecht, 3584
 CH Utrecht, Netherlands

SO Applied and environmental microbiology, (1998), 64(8), 2794-2799, 37
 refs.

ISSN: 0099-2240 CODEN: AEMIDF

DT Journal

BL Analytic

CY United States

LA English

AV INIST-7195, 354000072783860050

=> d his

(FILE 'HOME' ENTERED AT 15:52:55 ON 09 APR 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:54:47 ON 09 APR 2002

SEA CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

1 FILE ADISALERTS
7 FILE AGRICOLA
2 FILE BIOBUSINESS
38 FILE BIOSIS
10 FILE BIOTECHABS
10 FILE BIOTECHDS
15 FILE BIOTECHNO
6 FILE CABA
4 FILE CANCERLIT
66 FILE CAPLUS
2 FILE CEABA-VTB
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2 FILE DDFU
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5 FILE DRUGU
17 FILE EMBASE
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22 FILE MEDLINE
15 FILE PASCAL
3 FILE PROMT
49 FILE SCISEARCH
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16 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX
3 FILE NAPRALERT
4 FILE NLDB

L1 QUE CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) S

FILE 'CAPLUS, SCISEARCH, BIOSIS, MEDLINE, EMBASE, LIFESCI, TOXCENTER, USPATFULL, BIOTECHNO, PASCAL, BIOTECHDS, DRUGB, ESBIODASE, AGRICOLA, CABA' ENTERED AT 15:58:09 ON 09 APR 2002

L2 312 S CYCLOHEXADEPSI? OR (ENNIAT? (A) SYNTHAS?) OR (ENNIAT? (A) SYN
L3 135 DUP REM L2 (177 DUPLICATES REMOVED)
L4 2 S L3 AND FILAMENT? AND FUNG?
L5 2374 S (SECRET? (P) PROTEI?) AND (FILAMENT? (P) FUNG?)
L6 1292 S SECRET? (P) PROTEI? (P) FILAMENT? (P) FUNG?
L7 1292 FOCUS L6 1-
L8 83 S L7 AND FUSARIU?

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
108.35	112.37

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES